**Interview Activity**

These activities have been developed to help Rescue assess your practical readiness for the position. All candidates receive the same activity documents with the same instructions. Activities are for evaluative purposes only and will not be used for purposes other than considering your application. You will need to make many assumptions to complete the assignments. Please make those assumptions and acknowledge them during your presentation.

**Your Task:**

You will be given up to 48 hours to complete the assignment below:

Please complete the following activity, push the code to github or gitlab, and send us the link.

You will create a simple web app in PHP and/or JS that searches for pokemon.

1. Using [this JSON file](https://gist.github.com/andygroff/274283a38f2786796df57e11738d6bba), insert the data for each pokemon into a database of your choice.
   1. Transform each pokemon’s name to ensure that each word in their name begins with a capital letter.
2. Create a web interface which contains a single search box.
3. On each keystroke, search the database for matching pokemon and display a list of matching pokemon below the search box
   1. The search should return pokemon who have a name or type that is a fuzzy match for the input string.
   2. For example, searching the string “ter” should return all water type pokemon, as well as pokemon with “ter” in their name, such as “Haunter.”

**Notes:**

* You may use any framework you like or no framework at all.
* Ideal solutions should demonstrate your knowledge of the MVC design pattern and demonstrate a grasp of object oriented programming.
* Please take standard security precautions to ensure no XSS or SQL Injection vulnerabilities are present.
* Be prepared to discuss your decision making process for how you chose to solve this problem.